



SEQUENCE LISTING

<110> MCKERRACHER, Lisa

<120> Methods for making and delivering Rho-antagonist tissue adhesive formulations to the injured mammalian central and peripheral nervous systems and uses thereof

<130> 06447-010

<140> US 09,725,906

<141> 2000-11-30

<150> CA 2,325,765

<151> 2000-11-02

<160> 3

<170> PatentIn version 3.1

<210> 1

<211> 726

<212> DNA

<213> Clostridium botulinum

<400> 1

gtggcgaccc ttcccaaate ggatctgggt cgcgctggat cctctagagt cgacctgcag	60
gcatgcaatg cttattccat taatcaaaag gcttattcaa atacttacca ggagtttact	120
aatattgatc aagcaaaaagc ttggggtaat gctcagtata aaaagtatgg actaagcaaa	180
tcagaaaaag aagctatagt atcatatact aaaagcgcta gtgaaataaa tggaaagcta	240
agacaaaata agggagttat caatggattt ctttcaaatt taataaaaca agttgaactt	300
ttagataaat cttttaataa aatgaagacc cctgaaaata ttatgttatt tagaggcgac	360
gaccctgctt atttaggaac agaatttcaa aacactcttc ttaattcaaa tgggtacaatt	420
aataaaacgg cttttgaaaa ggctaaagct aagtttttaa ataaagatag acttgaatat	480
ggatatatta gtacttcatt aatgaatggt tctcaatttg caggaagacc aattattaca	540
aaatttaaag tagcaaaaagg ctcaaaggca ggatatattg accctattag tgcttttcag	600
ggacaacttg aaatggtgct tcctagacat agtacttata atatagacga tatgagattg	660
tcttctgatg gtaaacaat aataattaca gcaacaatga tgggcacagc tatcaatcct	720
aaataa	726

<210> 2

<211> 690

<212> DNA

<213> Clostridium botulinum

<400> 2

```
ggatcctcta gagtcgacct gcaggcatgc aatgcttatt ccattaatca aaaggcttat      60
tcaaatactt accaggagtt tactaatatt gatcaagcaa aagcttgggg taatgctcag      120
tataaaaagt atggactaag caaatcagaa aaagaagcta tagtatcata tactaaaagc      180
gctagtgaag taaatggaaa gctaagacaa aataagggag ttatcaatgg atttccttca      240
aatttaataa aacaagttga acttttagat aaatctttta ataaaatgaa gacccctgaa      300
aatattatgt tatntagagg cgacgacctt gcttatntag gaacagaatt tcaaaacact      360
cttcttaatt caaatggtac aattaataaa acggcttttg aaaaggctaa agctaagttt      420
ttaaataaag atagacttga atatggatat attagtactt cattaatgaa tgtttctcaa      480
tttgcaggaa gaccaattat tacaaaattt aaagtagcaa aaggctcaaa ggcaggatat      540
attgacctta ttagtgcttt tcagggacaa cttgaaatgt tgcttcctag acatagtact      600
tatcatatag acgatatgag attgtcttct gatggtaaac aaataataat tacagcaaca      660
atgatgggca cagctatcaa tcctaaataa      690
```

<210> 3

<211> 229

<212> PRT

<213> Clostridium botulinum

<400> 3

```
Gly Ser Ser Arg Val Asp Leu Gln Ala Cys Asn Ala Tyr Ser Ile Asn
1          5          10          15
```

```
Gln Lys Ala Tyr Ser Asn Thr Tyr Gln Glu Phe Thr Asn Ile Asp Gln
          20          25          30
```

```
Ala Lys Ala Trp Gly Asn Ala Gln Tyr Lys Lys Tyr Gly Leu Ser Lys
          35          40          45
```

```
Ser Glu Lys Glu Ala Ile Val Ser Tyr Thr Lys Ser Ala Ser Glu Ile
          50          55          60
```

```
Asn Gly Lys Leu Arg Gln Asn Lys Gly Val Ile Asn Gly Phe Pro Ser
65          70          75          80
```

```
Asn Leu Ile Lys Gln Val Glu Leu Leu Asp Lys Ser Phe Asn Lys Met
```

85

90

95

Lys Thr Pro Glu Asn Ile Met Leu Phe Arg Gly Asp Asp Pro Ala Tyr
100 105 110

Leu Gly Thr Glu Phe Gln Asn Thr Leu Leu Asn Ser Asn Gly Thr Ile
115 120 125

Asn Lys Thr Ala Phe Glu Lys Ala Lys Ala Lys Phe Leu Asn Lys Asp
130 135 140

Arg Leu Glu Tyr Gly Tyr Ile Ser Thr Ser Leu Met Asn Val Ser Gln
145 150 155 160

Phe Ala Gly Arg Pro Ile Ile Thr Lys Phe Lys Val Ala Lys Gly Ser
165 170 175

Lys Ala Gly Tyr Ile Asp Pro Ile Ser Ala Phe Gln Gly Gln Leu Glu
180 185 190

Met Leu Leu Pro Arg His Ser Thr Tyr His Ile Asp Asp Met Arg Leu
195 200 205

Ser Ser Asp Gly Lys Gln Ile Ile Ile Thr Ala Thr Met Met Gly Thr
210 215 220

Ala Ile Asn Pro Lys
225